

What is claimed is:

1. A color correcting apparatus comprising:

5 a controller for controlling a printer to print a plurality of first modulated images obtained by modulating colors of a first reference image having a plurality of colors and a plurality of second modulated images obtained by modulating a color of a second reference image having a single color;

10 an input device for accepting a selection of a selected first modulated image among said plurality of first modulated images in accordance with said first reference image which is displayed and a selection of a selected second modulated image among said plurality of second modulated images in accordance with said second reference image which is displayed; and

15 correcting means for correcting information for transforming image data to print data on the basis of said selected first modulated image and said selected second modulated image, said information indicating a relation between said image data and said print data.

2. The color correcting apparatus of claim 1, further comprising

a display for displaying said first reference image and said second reference image.

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3. The color correcting apparatus of claim 1, wherein

25 said controller controls said printer to print said first reference image together with said plurality of first modulated images and to print said second reference image together with said plurality of second modulated images.

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4. The color correcting apparatus of claim 1, wherein  
said plurality of first modulated images are obtained by modulating at least one  
of characteristics selected from the group comprising hue, saturation, lightness and  
contrast of said first reference image in a plurality of ways.

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5. The color correcting apparatus of claim 1, wherein  
said plurality of second modulated images are obtained by modulating at least  
one of characteristics selected from the group comprising hue, saturation, lightness and  
contrast of said second reference image in a plurality of ways.

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6. The color correcting apparatus of claim 1, wherein  
said controller prints said plurality of first modulated images and said plurality  
of second modulated images by using a plurality pieces of information for transforming  
image data to print data, and  
15        said correcting means corrects said information on the basis of two pieces of  
information corresponding to said selected first modulated image and said selected  
second modulated image.

7. A color correcting method comprising the steps of:

20        a) controlling a printer to print a plurality of first modulated images obtained by  
modulating colors of a first reference image having a plurality of colors;  
b) controlling said printer to print a plurality of second modulated images  
obtained by modulating a color of a second reference image having a single color;  
c) accepting a selection of a selected first modulated image among said plurality  
25        of first modulated images in accordance with said first reference image which is

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displayed;

d) accepting a selection of a selected second modulated image among said plurality of second modulated images in accordance with said second reference image which is displayed; and

5 e) correcting information for transforming image data to print data on the basis of said selected first modulated image and said selected second modulated image, said information indicating a relation between said image data and said print data.

10 8. The color correcting method of claim 7, further comprising the step of displaying said first reference image and said second reference image.

9. The color correcting method of claim 7, wherein  
said first reference image is printed together with said plurality of first modulated images in said step a), and

15 said second reference image is printed together with said plurality of second modulated images in said step b).

10. The color correcting method of claim 7, wherein  
said plurality of first modulated images are obtained by modulating at least one  
20 of characteristics selected from the group comprising hue, saturation, lightness and  
contrast of said first reference image in a plurality of ways.

11. The color correcting method of claim 7, wherein  
said plurality of second modulated images are obtained by modulating at least  
25 one of characteristics selected from the group comprising hue, saturation, lightness and

contrast of said second reference image in a plurality of ways.

12. The color correcting method of claim 7, wherein  
said plurality of first modulated images and said plurality of second modulated  
5 images are printed by using a plurality pieces of information for transforming image data  
to print data in said steps a) and b), and  
said information is corrected on the basis of two pieces of information  
corresponding to said selected first modulated image and said selected second modulated  
image in said step e).

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13. A color correcting method comprising the steps of:

a) controlling a printer to print a plurality of first modulated images obtained by  
modulating colors of a first reference image having a plurality of colors on the basis of  
first information for transforming image data to print data, said first information  
15 indicating a relation between said image data and said print data;  
b) accepting a selection of a selected first modulated image among said  
plurality of first modulated images in accordance with said first reference image which is  
displayed;  
c) correcting said first information on the basis of said selected first modulated  
20 image to obtain second information;  
d) controlling said printer to print a plurality of second modulated images  
obtained by modulating a color of a second reference image having a single color on the  
basis of said second information;  
e) accepting a selection of a selected second modulated image among said  
25 plurality of second modulated images in accordance with said second reference image

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which is displayed; and

f) correcting said second information on the basis of said selected second modulated image to obtain third information.

5 14. The color correcting method of claim 13, further comprising the steps of:  
displaying said first reference image during said step b); and  
displaying said second reference image during said step e).

10 15. The color correcting method of claim 13, wherein  
said first reference image is printed together with said plurality of first modulated images in said step a), and  
said second reference image is printed together with said plurality of second modulated images in said step d).

15 16. The color correcting method of claim 13, wherein  
said plurality of first modulated images are obtained by modulating at least one of characteristics selected from the group comprising hue, saturation, lightness and contrast of said first reference image in a plurality of ways.

20 17. The color correcting method of claim 13, wherein  
said plurality of second modulated images are obtained by modulating at least one of characteristics selected from the group comprising hue, saturation, lightness and contrast of said second reference image in a plurality of ways.

25 18. The color correcting method of claim 13, further comprising the step of

controlling said printer to print said first reference image on the basis of said second information before said step d).

19. The color correcting method of claim 13, wherein  
said plurality of first modulated images are printed by using a plurality pieces of  
information for transforming image data to print data in said steps a), and  
one of said plurality pieces of information is selected as said second  
information in said step c).

10 20. The color correcting method of claim 13, wherein  
said plurality of second modulated images are printed by using a plurality  
pieces of information for transforming image data to print data in said steps d), and  
one of said plurality pieces of information is selected as said third information  
in said step f).